

CLAIMS

- 1) A general short-range remote control alerting system consisting of at least one transmitter or encoder device in communication with at least one receiver or decoder device, is characterized in which
 - 5 each transmitter or encoder device has a factory pre-set built-in fixed unique identification (ID) code, which does not change due to power supply interruption; the receiver or decoder device utilizes a memory device, the memory of which will not change due to power supply interruption and can be read or written or re-written to store ID codes from the various transmitters or encoder devices,
 - 10 whereas the transmitter or encoder device transmits ID code to the receiver or decoder device, and upon matching, the receiver or decoder device causes pre-defined functions to be performed, such as a musical tune to be played or a light to be activated or de-activated.
- 2) An alerting system as in Claim 1 in which the ID code embodies a four quadric or
 - 15 higher communication protocol.
- 3) An alerting system as in Claim 1 in which the ID code at the transmitter or encoder device, once set, is not changeable by the end user.
- 4) An alerting system as in Claim 1 in which the receiver or decoder device includes a memory device which can be programmed, automatically or manually, to store the ID
 - 20 code(s).
- 5) An alerting system as in Claim 1 in which the ID codes of various transmitters or encoder devices have substantially large number of ID code combinations.